

AMENDMENTS TO THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as shown below. This listing of claims replaces all previous versions and listings of the claims in the present patent application.

Listing of Claims

1. – 23. (Cancelled)

24. (Currently Amended) An information recording medium for storing data managed by a file system, to/from which data is written/read via a command received from outside, the information recording medium comprising:

a receiving section operable to receive a write command and data from outside;

a first recording area in which data writing is managed in a first access unit;

a second recording area in which data writing is managed in a second access unit ~~larger than the first access unit~~; and

a controller operable to select the first or second recording area according to a data type specified in an argument at a designated location in the write command ~~and without regard to size of the received data~~;

wherein when receiving the write command, the controller selects the first or second recording area ~~depending on a~~ based solely upon the specified data type of the received data and writes the received data to the selected area, and

wherein data types used by the controller in selecting the first or second recording area for the received data include a type indicating entity data, and a type indicating file system management information.

25. (Previously Presented) The information recording medium according to claim 24, wherein the first recording area stores file system management information necessary for managing the file in the file system, and the second recording area stores entity data of the file managed by the file system.

26. (Cancelled)

27. (Previously Presented) The information recording medium according to claim 24, further comprising:

an area for storing the address management information for managing correspondence of physical address and logical address of the first and second storage areas.

28. (Previously Presented) The information recording medium according to claim 27, wherein the address management information includes information about write position of data.

29. (Cancelled)

30. (Previously Presented) The information recording medium of claim 24, wherein the first recording area and second recording area are provide on mutually different storage devices.

31. (Previously Presented) The information recording medium according to claim 30, wherein the different storage devices have different characteristics of rewrite life.

32. (Previously Presented) The information recording medium according to claim 24, wherein the controller judges the data type on the basis of a write position of the data.

33. (Previously Presented) The information recording medium according to claim 32, wherein

the receiving section receives from outside information about position or size of the file system management information which is necessary for managing the file in the file system,

the information recording medium further includes a FS management information register operable to hold the information about position or size of the received file system management information, and

the controller judges the data type on the basis of the value of the FS management information register when receiving the write command.

34. (Previously Presented) The information recording medium according to claim 33, which, when receiving the information about position of the file system management information, judges whether the received position of the file system management information is

included in the second recording area, and if included, moves data of predetermined size including the received position from the second recording area to the first recording area.

35. (Previously Presented) The information recording medium according to claim 34, wherein, when the first and second recording areas are provided on nonvolatile storage devices having predetermined data erase units, the predetermined size is same as the size of the larger data erase unit.

36. (Previously Presented) The information recording medium according to claim 33, wherein when receiving the write command, the controller judges the data type by comparing the value of FS management register with the write address specified by the write command.

37. (Previously Presented) The information recording medium of claim 24, wherein the first and second storage areas are provided on the same storage device.

38. (Previously Presented) An accessing apparatus for accessing the information recording medium according to claim 24, comprising:

a slot for loading the information recording medium;

an access control section operable to control writing and reading of data in the information recording medium loaded in the slot; and

a file system control section operable to control the file system established on the information recording medium loaded in the slot, and transmit data and information about the

data type to the information recording medium, when writing to the information recording medium.

39. (Previously Presented) The accessing apparatus of claim 38,
wherein the file system control section specifies, as the data type, a type indicating data entity or file system management information.

40. (Previously Presented) An accessing apparatus for accessing the information recording medium according to claim 33, comprising:

a FS management information notice section operable to inform the information recording medium of information about position and size of file system management information,

wherein the FS management information notice section informs the information recording medium of information about position and size of file system management information, prior to writing of the file system management information.

41. (Currently Amended) A method of control of an information recording medium, for managing data stored in the information recording medium with a file system, comprising:

managing writing of data to a first recording area in a first access unit;

managing writing of data to a second recording area in a second access unit ~~larger than the first access unit;~~

receiving data and a write position together with a write command;

selecting the first or second recording area as data writing area according to a data type specified in an argument at a designated location in the write command ~~and without regard to size of the received data~~; and

writing the received data to the selected area,

wherein when receiving the write command, the first or second recording area is selected ~~depending on a~~ based solely upon the specified data type of the received data, and

wherein the data type used in selecting the first or second recording areas for the received data include a type indicating entity data of the file managed by the file system, and a type indicating information necessary for management of the file in the file system.

42. (Cancelled)

43. (Cancelled)

44. (Previously Presented) The control method according to claim 41,
wherein the data type is judged on the basis of the write position of the data.

45. (Previously Presented) A method of accessing the information recording medium according to claim 24, comprising transmitting information about data type of writing data to the information recording medium together with the write command.

46. (Previously Presented) A method of accessing the information recording medium according to claim 33, comprising:

transmitting information about position and size of file system management information to the information recording medium to set an area for storing the file system management information in the information recording medium; and

transmitting the write command together with data and write address to the information recording medium to write the data.